**Resonant Arc Vortex Open Knowledge Charter**

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**Inspiration & Acknowledgment**

This project is inspired in part by R. A. Ford's *Homemade Lightning* (Chapter 20), where he discussed self-contained electrical phenomena that hinted at natural ball-lightning processes.
The **Resonant Arc Vortex (RAV)** is a new, independently developed system that extends these ideas into:

- sustained plasma confinement,
- high-field micro-vortex behavior, and
- experimental energy and propulsion research.

The mission of this license is simple:
**To ensure that RAV knowledge remains open to all humanity.**

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**1. Purpose**

This license makes the design, methods, and foundational research of the **Resonant Arc Vortex (RAV)** freely available for:

- scientific exploration,
- education,
- personal experimentation,
- and non-commercial research.

The goal is to protect open access while preventing premature or uncontrolled commercialization.

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**2. Permissions (What You May Do)**

Under this license, you are free to:

**2.1 Use**

Study, replicate, and experiment with the RAV system.

**2.2 Share**

Copy and distribute this material in any format.

### 2.3 Adapt

Modify, expand, remix, or build upon RAV concepts for non-commercial research or educational purposes.

### 2.4 Publish

You may publish your findings, improvements, diagrams, analyses, and experimental results.

**These freedoms require proper attribution to the original author: *Shawn Calderon (2025)*.**

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## 3. Restrictions (What You May NOT Do)

### 3.1 Commercial Use

You may not sell, license, or monetize RAV-based systems, designs, derivatives, or applications without written permission from the author.

### 3.2 Patents

You may not file for patents or claim intellectual property rights over:

- RAV concepts,
- RAV derivatives,
- variations of the RAV apparatus,
- or methods described in this license.

This ensures the RAV remains open to all.

### 3.3 Attribution Required

All public use must clearly credit the original creator.

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## 4. Commercial Licensing

If you or your organization wish to:

- develop products,
- integrate RAV principles into commercial work,

- or explore commercial RAV applications,

you must obtain a formal commercial license directly from the author.

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**5. Liability & Safety**

The RAV involves:

- high voltage (5–60 kV),
- plasma arcs,
- thermal hazards,
- UV/IR output,
- and in some cases vacuum systems.

This is inherently dangerous.

**5.1 “As-Is” Disclosure**

The information is provided **as is**, without warranty or guarantee.

**5.2 Personal Responsibility**

You are solely responsible for:

- your safety,
- your equipment,
- compliance with local laws,
- and ensuring the safe operation of high-voltage devices.

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**6. Open Science Responsibility**

By using this license, you agree to uphold the spirit of open science:

- share your improvements openly,
- do not restrict others,
- contribute knowledge back to the RAV community,
- respect the boundary between open research and commercialization.

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## 7. Stewardship & Governance

The RAV project is stewarded and curated by its founder:

**Shawn Calderon**
Founder & Principal Researcher
Resonant Arc Vortex Initiative (2025)

Contributors are credited individually in publications, guides, or appendices, but core ownership remains singular to maintain clarity and protect mission integrity.

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## 8. Human Summary

You are free to:

- build RAVs,
- study RAVs,
- share RAVs,
- publish RAV data,
- and improve the science.

You may **not**:

- patent RAVs,
- sell RAV systems,
- or commercialize RAV concepts without authorization.

Together we maintain an open, humanitarian scientific frontier.

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## 9. Signature

By using this document, you acknowledge and accept these terms.

**Signature: _____**
**Printed Name: _____**
**Date: _____**